

Receipt date: 09/09/2003

9/9/03

# 15a

Sheet 1 of 1

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 05110-006002	Application No. 09/939,526
	Applicant David J. Boothby			
	Filing Date August 24, 2001		Group Art Unit 2125	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AA	Extended Systems' Preliminary Invalidity Contentions
	AB	Extended Systems' First Supplemental Preliminary Invalidity Contentions
	AC	Extended Systems, Inc.'s Preliminary Claim Constructions and Preliminary Identification of Extrinsic Evidence
	AD	Patent Local Rule 4-2 Preliminary Claim Constructions and Extrinsic Evidence
	AE	Joint Claim Construction and Prehearing Statement
	AF	Extended Systems' Second Supplemental Preliminary Invalidity Contentions [Re: Reexamination Requests for the '390, '564, and '529 Patents]
	AG	Pumatech, Inc.'s Opening Claim Construction Brief; Declaration of Marc David Peters in Support of Pumatech, Inc.'s Opening Claim Construction Brief
	AH	Extended Systems, Inc.'s Responsive Claim Construction Brief; Declaration of Jordan Trent Jones in Support of Extended Systems, Inc.'s Responsive Claim Construction Brief
	AI	Supplemental Declaration of Marc David Peters in Support of Pumatech, Inc.'s Reply Claim Construction Brief
	AJ	Pumatech's Revised [Proposed] Claim Construction Order
	AK	Pumatech, Inc.'s Reply Claim Construction Brief
	AL	Statement of Recent Decision
	AM	Pumatech's [Proposed] Claim Construction Order
	AN	Synchrologic's Preliminary Invalidity Contentions

All documents already cited on other PTO-1449  
dated 09 September 2003 - /MNVB/  
4/22/10

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

~~COPY~~ ~~DO NOT SEND~~

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement          by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 05110-006002	Application No. 09/939,526
	Applicant David J. Boothby			
	Filing Date August 24, 2001		Group Art Unit 2125	

## U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ACCC	5,455,945	10/03/95	VanderDrift			
	ADDD	5,421,012	05/30/95	Khoyi et al.			
	AEEE	5,412,801	05/02/95	De Remer et al.			
	AFFF	5,323,314	06/21/94	Baber et al.			
	AGGG	5,278,982	01/11/94	Daniels et al.			
	AHHH	5,276,876	01/04/94	Coleman et al.			
	AIHH	5,220,540	06/15/93	Nishida et al.			
	AJJJ	5,201,010	04/06/93	Deaton et al.			
	AKKK	5,197,000	03/23/93	Vincent			
	ALLL	5,155,850	10/13/92	Janis et al.			
	AMMM	5,134,564	07/28/92	Dunn et al.			
	ANNN	5,124,912	06/23/92	Hosaling et al.			
	AOOO	4,939,689	07/03/90	Davis et al.			
	APPP	4,831,552	05/16/89	Scully et al.			
	AQQQ	4,819,191	04/04/89	Scully et al.			
	ARRR	4,817,018	03/28/89	Cree et al.			
	ASSS	4,807,155	02/21/89	Cree et al.			
	ATTT	4,807,154	02/21/89	Scully et al.			
	AUUU	4,162,610	07/31/79	Levine			

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Design ID	Document
	AVVV	Adly, "HARP: A Hierarchical Asynchronous Replication Protocol for Massively Replicated Systems," Computer Laboratory, Cambridge University, United Kingdom (undated)
	AWWW	Adly et al., "A Hierarchical Asynchronous Replication Protocol for Large Scale Systems," Computer Laboratory, Cambridge University, United Kingdom, Computer Science Department, Alexandria University, Egypt (undated)
	XXXX	Alexander, "Designed, sold, delivered, serviced," Computerworld Client/Server Journal, pp. 43 (10/01/95)
	YYYY	"All I need is a miracle; computer-aided educational packages; Small Wonders," Coastal Associates Publishing L.P. (03/1992)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

2019-2020 - CFY

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05110-006002	Application No. 09/939,526
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant David J. Boothby	
		Filing Date August 24, 2001	Group Art Unit 2125
(37 CFR §1.98(b))			

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AZZZ	Alonso et al., "Database System Issues in Nomadic Computing," Matsushita Information Technology Laboratory, New Jersey (undated)
	AAAAA	Badrinath et al., "Impact of Mobility on Distributed Computations," Operating Systems Review (April 1, 1993)
	ABBBB	Barbara et al., "Sleeper and Workaholics: Caching Strategies in Mobile Environments (Extended Version)," (08/29/1994)
	ACCCC	Bowen, M. et al., "Achieving Throughput and Functionality in a Common Architecture: The Datacycle Experiment, <i>IEEE</i> , pp. 178, 1991.
	ADDDD	Brandel, "New offerings fuel revival of PIM," Computerworld, p. 39 (09/12/94)
	AEEEE	Demers et al., "The Bayou Architecture: Support for Data Sharing Among Mobile Users," Computer Science Laboratory, Xerox Palo Alto Research Center, California (undated)
	AFFFF	DeVoe et al., "SOFTWARE: Day-Timer Organizer 2.0 based on format of paper-based PIM," InfoWorld, Vol. 17 (08/21/95)
	AGGGG	Froese, "File System Support for Weakly Connected Operation," pp. 229-238 (undated)
	AHHHH	Greenberg et al., "Real Time Groupware as a Distributed System: Concurrency Control and its Effect on the Interface," Procs. Of the ACM CSCW Conf. On Computer Supported Cooperative Work, Oct. 22-26, North Carolina, ACM Press (01/01/94)
	AIIII	Guy, "Ficus: A Very Large Scale Reliable Distributed File System," Technical Report CSD-910018, Computer Science Dept. UCLA (Technical Report) (06/03/91)
	AJJJJ	Guy et al., "Implementation of the Ficus Replicated File System," appeared in Procs. Of the Summer USENIX Conf., Anaheim, CA, pp. 63-71 (06/01/90)
	AKKKK	Haber, "Renegade PIMS," Computerworld, p. 109 (12/12/94)
	ALLLL	Hammer et al., "An Approach to Resolving Semantic Heterogeneity in a Federation of Autonomous, Heterogeneous Database Systems," Computer Science Department, University of Southern California (undated)
	AMMMM	Hammer et al., "Object Discovery and Unification in Federated Database Systems," University of Southern California (undated)
	ANNNN	HP and IntelliLink connect HP 95LX with HP NewWave; IntelliLink for the HP NewWave; product announcement," HP Professional (08/1991)
	AOOOO	"HP announces expanded memory version of palmtop PC, introduces 1-Megabyte HP 95LX and 1-Megabyte memory cards," Business Wire, Inc. (03/04/92)
	APPPP	Huston et al., "Disconnected Operation of AFS," CITI Technical Report 93-3, Center for Information Technology Integration, University of Michigan (06/18/93)
	AQQQQ	IBM Dictionary of Computing, Tenth Edition, 1993, pp. 268, 269, 31
	ARRRR	IBM Dictionary of Computing, Tenth Edition, 1993, pp. 165, 268, 349, 370, 417
	ASSSS	IEEE Standard Dictionary of Electrical and Electronics Terms, Fourth Edition, 1988, p. 372, 368, 509, 563
	ATTTT	Imielinski, "Mobile Computing - DataMan Project Perspective," Rutgers University (undated)
	AUUUU	"IntelliLink 2.2: the software connection from desktop to palmtop; Software Review; IntelliLink 2.2; Evaluation," PC Magazine (04/28/92)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05110-006002	Application No. 09/939,526
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David J. Boothby	
		Filing Date August 24, 2001	Group Art Unit 2125

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Design ID	Document
	AVVVV	"IntelliLink transfers palmtop, PC data; communications software from IntelliLink Inc; brief article; Product Announcement," PC Week (11/18/91)
	AWWWW	Jacobs et al., "A Generalized Query-by-Example Data Manipulation Language Based on Database Logic," IEEE Transactions on Software Engineering, Vol. SE-9, No. 1 (01/1983)
	AXXXX	Jenkins, "Users struggle with E-mail Woes," Computerworld, p. 97 (10/24/94)
	AYYYY	Johnson et al., "Hierarchical Matrix Timestamps for Scalable Update Propagation," submitted to the 10 <sup>th</sup> Int. Workshop on Distributed Algorithms (06/25/96)
	AZZZZ	Joshi et al., "A Survey of Mobile Computing Technologies and Applications," (10/29/95)
	AAAAA	Kistler et al., "Disconnected Operation in the Coda File System," School of Computer Science, Carnegie Mellon University, Pennsylvania (undated)
	ABBBB	Krill, "NETWORKING Tech Update," InfoWorld, vol. 18 (02/12/96)
	ACCCC	Kumar et al., "Log-Based Directory Resolution in the Coda File System," School of Computer Science, Carnegie Mellon University, Pennsylvania (undated)
	ADDDD	Larson et al., "A Theory of Attribute Equivalence in Databases with Application to Schema Integration," IEEE Transactions on Software Engineering, Vol. 15, No. 4, April 1989
	AEEEE	Mannino et al., "Matching Techniques in Global Schema Design," IEEE 1984
	AFFFF	Marshall, "Product Reviews: Windows contact managers," InfoWorld, Vol. 18 (03/25/96)
	AGGGG	McGoveran, "Distributed not yet delivered," Computerworld, p. 112 (06/06/94)
	AHHHH	Meckler Corporation, "Palmtop-to-desktop linkage software," Database Searcher (06/1992)
	AIIII	Microsoft Press Computer Dictionary, Second Edition, 1994, p. 164
	AJJJJ	Microsoft Press Computer Dictionary, Second Edition, 1994, pp. 105, 217, 227, 228
	AKKKK	Milliken, "Resource Coordination Objects: A State Distribution Mechanism," (DRAFT) (12/10/93)
	ALLLL	Nash, "Replication falls short," Computer world, p. 65 (11/21/94)
	AMMMM	Noble et al., "A Research Status Report for Adaptation for Mobile Data Access," School of Computer Science, Carnegie Mellon University (undated)
	ANNNN	"PackRat PIM gets older and wiser with Release 4.0; PIM update sports enhanced interface, greater ease of use," InfoWorld (12/23/91)
	AOOOO	"Palmtop PCs: power by the ounce; Hardware Review; overview of six evaluations of palm-top computers; includes related articles on Editor's Choices, suitability-to-task ratings, impressions by individual users; evaluation," PC Magazine (07/1991)
	APPPP	"Pen-based PCs ready for prime time; includes related article on comparison of operating systems, list of vendors of pen-based products," PC-Computing (11/1991)
	AQQQQ	Perera, "Synchronization: Schizophrenia," Computerworld Client/Server Journal, p. 50 (10/01/95)
	ARRRR	Petersen et al., "Bayou: Replicated Database Services for World-wide Applications," Computer Science Laboratory, Xerox Palo Alto Research Center, California (undated)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05110-006002	Application No. 09/939,526
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David J. Boothby	
		Filing Date August 24, 2001	Group Art Unit 2125

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	ASSSSS	"Product comparison: Atari Portfolio, Casio Executive BOSS, HP 95LX, Pocket PC, Psion series 3, Sharp Wizard," InfoWorld (12/16/91)
	ATTTTT	"PRODUCT COMPARISON: Personal information managers," InfoWorld, vol. 17 (08/07/95)
	AUUUUU	Radosovich, "Replication mania," Computerworld Client/Server Journal, p. 53 (10/01/95)
	AVVVVV	Ratner et al., "The Ward Model: A Replication Architecture for Mobile Environments," Department of Computer Science, University of California (undated)
	WWWW	Reiher et al., "Peer-to-Peer Reconciliation Based Replication for Mobile Computers," UCLA (undated)
	AXXXXX	Reiher et al., "Resolving File Conflicts in the Ficus File System," Department of Computer Science, University of California (undated)
	AYYYYY	Ricciuti, "Object database server," InfoWorld, Vol. 18 (01/29/96)
	AZZZZZ	"Riding the NewWave from PC to Palmtop: IntelliLink lets NewWave users transfer files," InfoWorld (06/03/91)
	AAAAAA	Saltor et al., "Suitability of data models as canonical models for federated databases," Universitat Politecnica de Catalunya, Spain (undated)
	ABBBBB	Satyanarayanan, "Coda: A Highly Available File System for a Distributed Workstation Environment," School of Computer Science, Carnegie Mellon University (undated)
	ACCCCC	Satyanarayanan, "Fundamental Challenges in Mobile Computing," School of Computer Science, Carnegie Mellon University (undated)
	ADDDDD	Satyanarayanan, "Mobile Information Access," IEEE Personal Communications, Vol. 3, No. 1 (Feb. 1996)
	AEEEEEE	Sherman, "Information Technology: 'What Software Should I Use to Organize My Life'," (undated)
	AFFFFFFF	Sheth et al., "A Tool for Integrating Conceptual Schemas and User Views," IEEE 1988
	AGGGGG	Schilit et al., "The ParcTab Mobile Computing System," Xerox Palo Alto Research Center, California (undated)
	AHHHHH	SPI Database Software Technologies Record Displays: Record 2, Serial No. TDB0291.0094 and Record 4, Serial No. iets0901.0073 (undated)
	AIIIII	Staten, "PowerMerge 2.0 ships; syncs moved filed," MacWEEK, Vol. 8, p. 38(1) (01/03/94)
	AJJJJJ	Tait, Doctoral Thesis entitled "A File System for Mobile Computing," (01/01/1993)
	AKKKKK	Tolly, "Enhanced Notes 4.0 gets thumbs-up," Computerworld, p. 54 (12/18/95)
	ALLLLL	Webster's Ninth New Collegiate Dictionary, 1986, pp. 114, 436, 440, 462, 573, 597, 620, 717, 906, 963, 979, 989, 1000, 1053, 1130, 1142, 1152, 1162, 1166,
	MMMMMM	Wiederhold, Gio, Database Design, Second Edition, McGraw-Hill Book Company, 1983, p. 2
	ANNNNN	Wiederhold, Gio and Qian Xiaolei, "Consistency Control of Replicated Data In Federal Database," IEEE, pp. 130-132. 1990.
	AOOOOO	Zaino, "Tapping the Top Values in PDAs - Personal digital assistants that sell for as little as \$300 can put a PC in the palm of your hand. Get the scoop on 8 contenders," HomePC, pp. 97 (10/01/96)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Receipt date: 09/09/2003

Sheet 7 of 7

<b>Substitute Form PTO-1449</b> (Modified)  <b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	<b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>	<b>Attorney's Docket No.</b> 05110-006002	<b>Application No.</b> 09/939,526
	<b>Applicant</b> David J. Boothby		
	<b>Filing Date</b> August 24, 2001	<b>Group Art Unit</b> 2125	

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
<b>Examiner Initial</b>	<b>Desig. ID</b>	<b>Document</b>
	APPPPP	Zisman et al., "Towards Inoperability in Heterogeneous Database Systems," Imperial College Research Report No. DOC 95/11 (12/01/95)

<b>Examiner Signature</b>	<b>Date Considered</b>
<b>EXAMINER:</b> Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

/MNVB/  
4/22/10